

Amendments to the Claims:

Claims 1-22 (Canceled).

Claim 23 (Previously Presented) A substantially pure nucleic acid sequence encoding a serotonin-gated anion channel, wherein said nucleic acid sequence comprises the sequence of SEQ ID NO:2.

Claim 24 (Previously Presented): A substantially pure nucleic acid sequence encoding a serotonin-gated anion channel, wherein said serotonin-gated anion channel comprises the sequence of SEQ ID NO:3.